

segmented and when specified shall have ends shaped to provide interlock at vertical joints.

Hollow blocks shall conform to the requirements of ASTM C90, Grade N-II, except paragraph 3.2 a. Aggregates shall meet the requirements of Sections 703.01 and 703.02 for fine aggregates and coarse aggregates respectively except that grading requirements are hereby waived.

Solid blocks for catch basins and manholes shall conform to the requirements of ASTM C139.

SECTION 705 - JOINT MATERIAL

705.01 Preformed Expansion Joint Filler Preformed expansion joint filler shall be non-extruding and resilient bituminous type and shall conform to the requirements of AASHTO M213 (ASTM D1751).

705.02 Joint Mortar Joint mortar shall consist of 1 part Portland cement, 2 parts sand and sufficient water to obtain the required consistency. Mortar shall be used within 30 minutes after its preparation.

The cement shall conform to the requirements of Portland cement AASHTO M85 (ASTM C150), Type II or IIA.

The sand shall meet the requirements of the following table:

Sieve Designation	Percentage by Weight Passing Square Mesh Sieve	
	Joints Thicker Than 13 mm [$\frac{1}{2}$ in]	Joints 13 mm [$\frac{1}{2}$ in] or Thinner
9.5 mm [\bullet in]	100	-
6.3 mm [$\frac{1}{4}$ in]	-	100
4.75 mm [No. 4]	95-100	-
2.36 mm [No. 8]	70-95	85-100
1.18 mm [No. 16]	45-80	60-90
600 μ m [No. 30]	25-55	35-70

300 μ m [No. 50]	10-30	15-45
150 μ m [No. 100]	2-10	0-15
75 μ m [No. 200]	0-5	0-5

When necessary, material retained on the 4.75 mm [No. 4] sieve may be removed.

The sand shall be subjected to the colorimetric test for organic impurities, AASHTO T21 (ASTM C40), and when a color darker than the reference standard color solution (laboratory designation Plate III) is produced, the material shall be rejected.

705.03 Flexible Gaskets Flexible gaskets, either rubber or plastic, shall conform to AASHTO M198 (ASTM C990).

SECTION 706 - NON-METALLIC PIPE

706.02 Reinforced Concrete Pipe This pipe shall conform to the requirements of AASHTO M170M/M170 (ASTM C76M/C76). Elliptical pipe shall conform to the requirements of AASHTO M207M/M207. Unless otherwise specified, pipe wall design and use of elliptical reinforcement in circular pipe are optional. Pipe arch shall conform to the requirements of AASHTO M206M/M206.

Aggregates shall meet the requirements of Section 703.01 and Section 703.02 for fine aggregates and coarse aggregates respectively, except that grading requirements are hereby waived.

Precast reinforced concrete special sections shall conform to the requirements of the cited specifications to the extent to which they apply.

706.06 Corrugated Polyethylene Pipe for Underdrain, Option I, and Option III Culvert Pipe This pipe and fittings shall conform to the requirements of AASHTO M252, slot-perforated for 150 mm [6 in] diameter and to AASHTO M294 for 300 mm diameters to 900 mm [12 in to 48 in]. Pipe used for Option III will meet the requirements of AASHTO M294 Type S, Dual Wall. Pipe to be used for Underdrain Type C shall be perforated in accordance with the applicable perforation requirements of AASHTO M294, Class I perforations. All polyethylene pipe shall be smooth lined and shall meet the pipe stiffness requirements shown on the Standard Details. This pipe and resins shall meet the requirements of certification under the Plastic Pipe Institute Third Party Certification